

# Union Calendar No. 129

106TH CONGRESS  
1ST SESSION

# H. R. 1551

[Report No. 106-223]

To authorize the Federal Aviation Administration's civil aviation research and development programs for fiscal years 2000 and 2001, and for other purposes.

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## IN THE HOUSE OF REPRESENTATIVES

APRIL 26, 1999

Mrs. MORELLA introduced the following bill; which was referred to the Committee on Science

JULY 12, 1999

Additional sponsor: Mr. BARCIA

JULY 12, 1999

Reported with an amendment, committed to the Committee of the Whole House on the State of the Union, and ordered to be printed

[Strike out all after the enacting clause and insert the part printed in *italie*]

[For text of introduced bill, see copy of bill as introduced on April 26, 1999]

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## A BILL

To authorize the Federal Aviation Administration's civil aviation research and development programs for fiscal years 2000 and 2001, and for other purposes.

1       *Be it enacted by the Senate and House of Representa-*  
2   *tives of the United States of America in Congress assembled,*

1 **SECTION 1. SHORT TITLE.**

2       *This Act may be cited as the “Civil Aviation Research*  
3 *and Development Authorization Act of 1999”.*

4 **SEC. 2. AUTHORIZATION OF APPROPRIATIONS.**

5       *Section 48102(a) of title 49, United States Code, is*  
6 *amended—*

7           *(1) by striking “and” at the end of paragraph*  
8 *(4)(J);*

9           *(2) by striking the period at the end of para-*  
10 *graph (5) and inserting in lieu thereof a semicolon;*  
11 *and*

12           *(3) by adding at the end the following:*

13           *“(6) for fiscal year 2000, \$647,538,400*  
14 *including—*

15           *“(A) \$17,269,000 for system development*  
16 *and infrastructure projects and activities;*

17           *“(B) \$48,021,500 for capacity and air traf-*  
18 *fic management technology projects and activi-*  
19 *ties;*

20           *“(C) \$18,939,200 for communications, navi-*  
21 *gation, and surveillance projects and activities;*

22           *“(D) \$15,765,000 for weather projects and*  
23 *activities;*

24           *“(E) \$8,715,700 for airport technology*  
25 *projects and activities;*

1           “(F) \$39,639,000 for aircraft safety tech-  
2           nology projects and activities;

3           “(G) \$53,218,000 for system security tech-  
4           nology projects and activities;

5           “(H) \$26,207,000 for human factors and  
6           aviation medicine projects and activities;

7           “(I) \$3,481,000 for environment and energy  
8           projects and activities;

9           “(J) \$2,171,000 for innovative/cooperative  
10          research projects and activities, of which  
11          \$750,000 shall be for carrying out subsection (h)  
12          of this section;

13          “(K) \$266,712,000 for En Route research  
14          and development projects and activities;

15          “(L) \$58,900,000 for Terminal research and  
16          development projects and activities;

17          “(M) \$3,000,000 for Flight Services research  
18          and development projects and activities;

19          “(N) \$69,200,000 for Landing and Naviga-  
20          tion research and development projects and ac-  
21          tivities; and

22          “(O) \$16,300,000 for Equipment and Fa-  
23          cilities research and development projects and  
24          activities; and

25          “(7) for fiscal year 2001, \$675,706,795.”.

1 **SEC. 3. BUDGET DESIGNATION FOR RESEARCH AND DEVEL-**  
 2 **OPMENT ACTIVITIES.**

3 *Section 48102 of title 49, United States Code, is*  
 4 *amended by inserting after subsection (f) the following new*  
 5 *subsection:*

6 “(g) *DESIGNATION OF ACTIVITIES.*—(1) *The amounts*  
 7 *appropriated under subsection (a) are for the support of*  
 8 *all research and development activities carried out by the*  
 9 *Federal Aviation Administration that fall within the cat-*  
 10 *egories of basic research, applied research, and development,*  
 11 *including the design and development of prototypes, in ac-*  
 12 *cordance with the classifications of the Office of Manage-*  
 13 *ment and Budget Circular A–11 (Budget Formulation/Sub-*  
 14 *mission Process).*

15 “(2) *The Department of Transportation’s annual*  
 16 *budget request for the Federal Aviation Administration*  
 17 *shall identify all of the activities carried out by the Admin-*  
 18 *istration within the categories of basic research, applied re-*  
 19 *search, and development, as classified by the Office of Man-*  
 20 *agement and Budget Circular A–11. Each activity in the*  
 21 *categories of basic research, applied research, and develop-*  
 22 *ment shall be identified regardless of the budget category*  
 23 *in which it appears in the budget request.”.*

24 **SEC. 4. NATIONAL AVIATION RESEARCH PLAN.**

25 *Section 44501(c) of title 49, United States Code, is*  
 26 *amended—*

1           (1) in paragraph (2)(B)—

2                   (A) by striking “and” at the end of clause

3           (iii);

4                   (B) by striking the period at the end of

5           clause (iv) and inserting in lieu thereof “; and”;

6           and

7                   (C) by adding at the end the following new

8           clause:

9                   “(v) highlight the research and development tech-

10          nology transfer activities that promote technology

11          sharing among government, industry, and academia

12          through the Stevenson-Wydler Technology Innovation

13          Act of 1980.”; and

14                  (2) in paragraph (3), by inserting “The report

15          shall be prepared in accordance with requirements of

16          section 1116 of title 31, United States Code.” after

17          “effect for the prior fiscal year.”.

18   **SEC. 5. INTEGRATED SAFETY RESEARCH PLAN.**

19           (a) *REQUIREMENT.*—Not later than March 1, 2000, the

20   Administrator of the National Aeronautics and Space Ad-

21   ministration and the Administrator of the Federal Aviation

22   Administration shall jointly prepare and transmit to the

23   Congress an integrated civil aviation safety research and

24   development plan.

1       (b) *CONTENTS.*—*The plan required by subsection (a)*  
2 *shall include—*

3           (1) *an identification of the respective research*  
4 *and development requirements, roles, and responsibil-*  
5 *ities of the National Aeronautics and Space Adminis-*  
6 *tration and the Federal Aviation Administration;*

7           (2) *formal mechanisms for the timely sharing of*  
8 *information between the National Aeronautics and*  
9 *Space Administration and the Federal Aviation Ad-*  
10 *ministration, including a requirement that the FAA-*  
11 *NASA Coordinating Committee established in 1980*  
12 *meet at least twice a year; and*

13           (3) *procedures for increased communication and*  
14 *coordination between the Federal Aviation Adminis-*  
15 *tration research advisory committee established under*  
16 *section 44508 of title 49, United States Code, and the*  
17 *NASA Aeronautics and Space Transportation Tech-*  
18 *nology Advisory Committee, including a proposal for*  
19 *greater cross-membership between those 2 advisory*  
20 *committees.*

21 **SEC. 6. INTERNET AVAILABILITY OF INFORMATION.**

22       *The Administrator of the Federal Aviation Adminis-*  
23 *tration shall make available through the Internet home page*  
24 *of the Federal Aviation Administration the abstracts relat-*  
25 *ing to all research grants and awards made with funds au-*

1 *thorized by the amendments made by this Act. Nothing in*  
 2 *this section shall be construed to require or permit the re-*  
 3 *lease of any information prohibited by law or regulation*  
 4 *from being released to the public.*

5 **SEC. 7. RESEARCH ON NONSTRUCTURAL AIRCRAFT SYS-**  
 6 **TEMS.**

7 *Section 44504(b)(1) of title 49, United States Code, is*  
 8 *amended by inserting “, including nonstructural aircraft*  
 9 *systems,” after “life of aircraft”.*

10 **SEC. 8. ELIGIBILITY FOR AWARDS.**

11 *(a) IN GENERAL.—The Administrator of the Federal*  
 12 *Aviation Administration shall exclude from consideration*  
 13 *for grant agreements made by that Administration with*  
 14 *funds appropriated pursuant to the amendments made by*  
 15 *this Act any person who received funds, other than those*  
 16 *described in subsection (b), appropriated for a fiscal year*  
 17 *after fiscal year 1999, under a grant agreement from any*  
 18 *Federal funding source for a project that was not subjected*  
 19 *to a competitive, merit-based award process, except as spe-*  
 20 *cifically authorized by this Act. Any exclusion from consid-*  
 21 *eration pursuant to this subsection shall be effective for a*  
 22 *period of 5 years after the person receives such Federal*  
 23 *funds.*

24 *(b) EXCEPTION.—Subsection (a) shall not apply to the*  
 25 *receipt of Federal funds by a person due to the membership*

1 of that person in a class specified by law for which assist-  
2 ance is awarded to members of the class according to a for-  
3 mula provided by law.

4 (c) *DEFINITION.*—For purposes of this section, the  
5 term “grant agreement” means a legal instrument whose  
6 principal purpose is to transfer a thing of value to the re-  
7 cipient to carry out a public purpose of support or stimula-  
8 tion authorized by a law of the United States, and does  
9 not include the acquisition (by purchase, lease, or barter)  
10 of property or services for the direct benefit or use of the  
11 United States Government. Such term does not include a  
12 cooperative agreement (as such term is used in section 6305  
13 of title 31, United States Code) or a cooperative research  
14 and development agreement (as such term is defined in sec-  
15 tion 12(d)(1) of the Stevenson-Wydler Technology Innova-  
16 tion Act of 1980 (15 U.S.C. 3710a(d)(1))).





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